# USG [illegible]

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# □ □

□□□□□□□USG□□□□□□□□□□□□□□□ACL□□NAT□□□□□□□□□□□□


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- □□NAT□□□□□□

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# □ □

1. **□□□□**
2. □□□□
3. ACL
4. NAT

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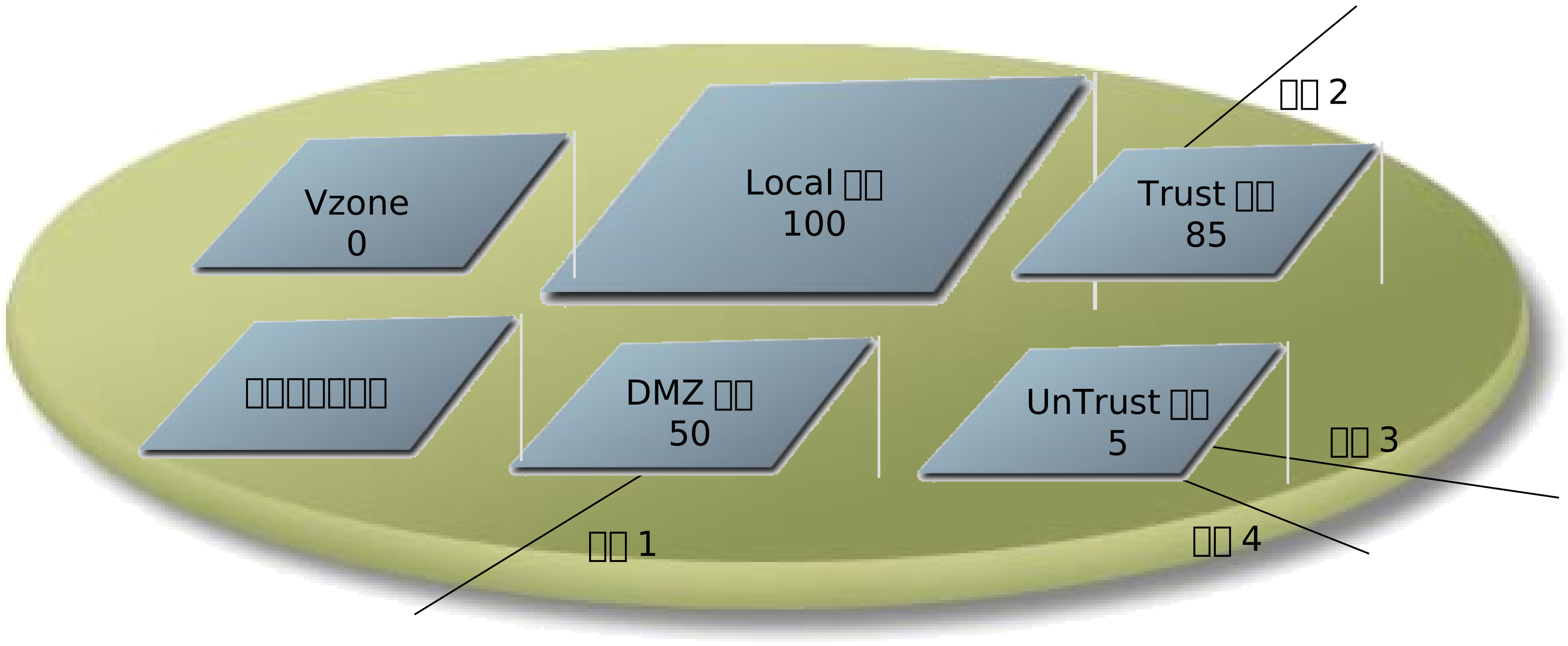
# [illegible]

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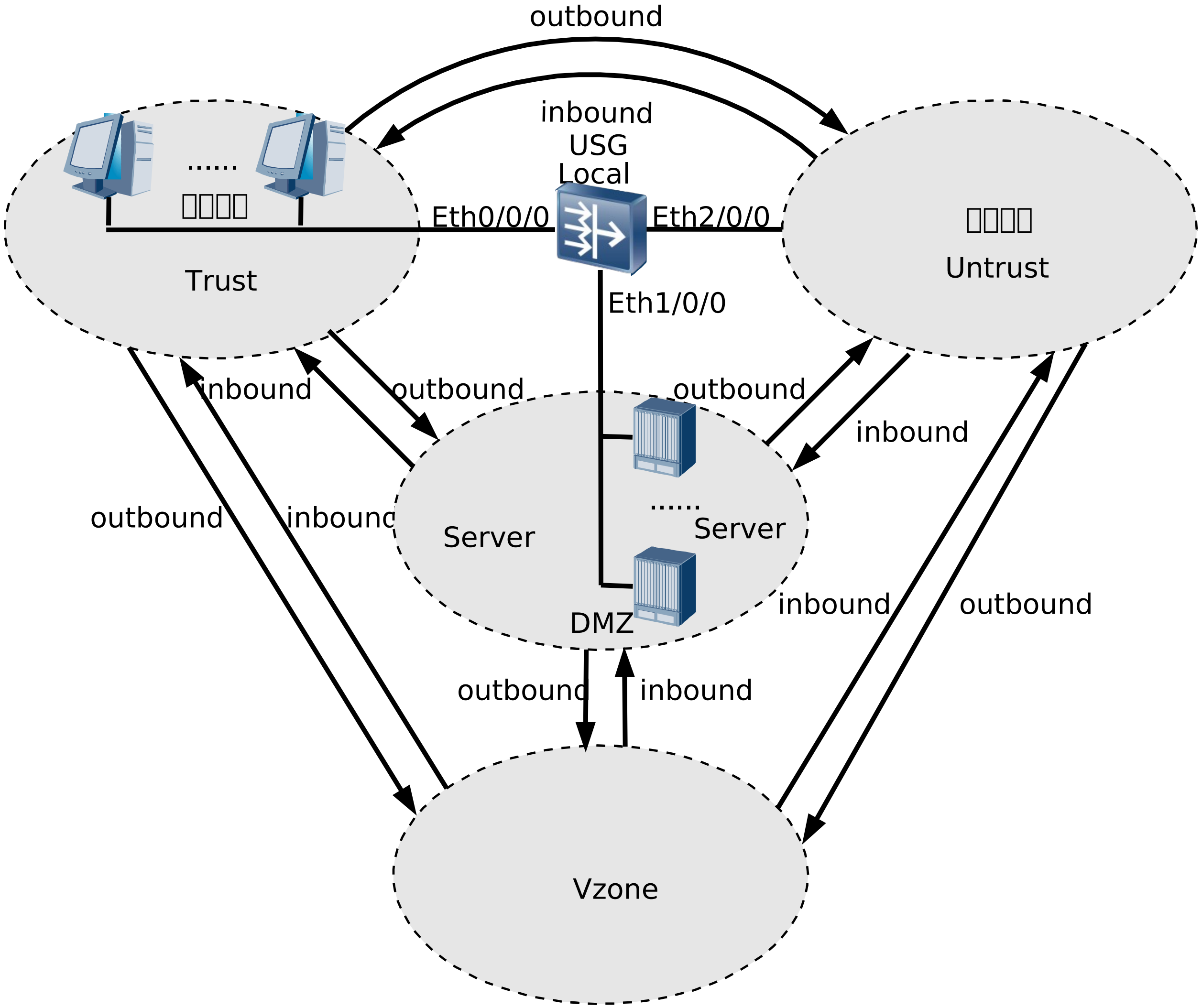


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# [illegible] 1

[illegible]

[USG2100]firewall zone name *userzone*

[illegible]

[USG2100-zone-userzone]set priority 60

[illegible]

[USG2100-zone-trust]add interface GigabitEthernet 0/0/1

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# [illegible]

[illegible]

```
[USG2100]display zone userzone
 userzone
 priority is 60
 interface of the zone is (1):
    GigabitEthernet0/0/1
```


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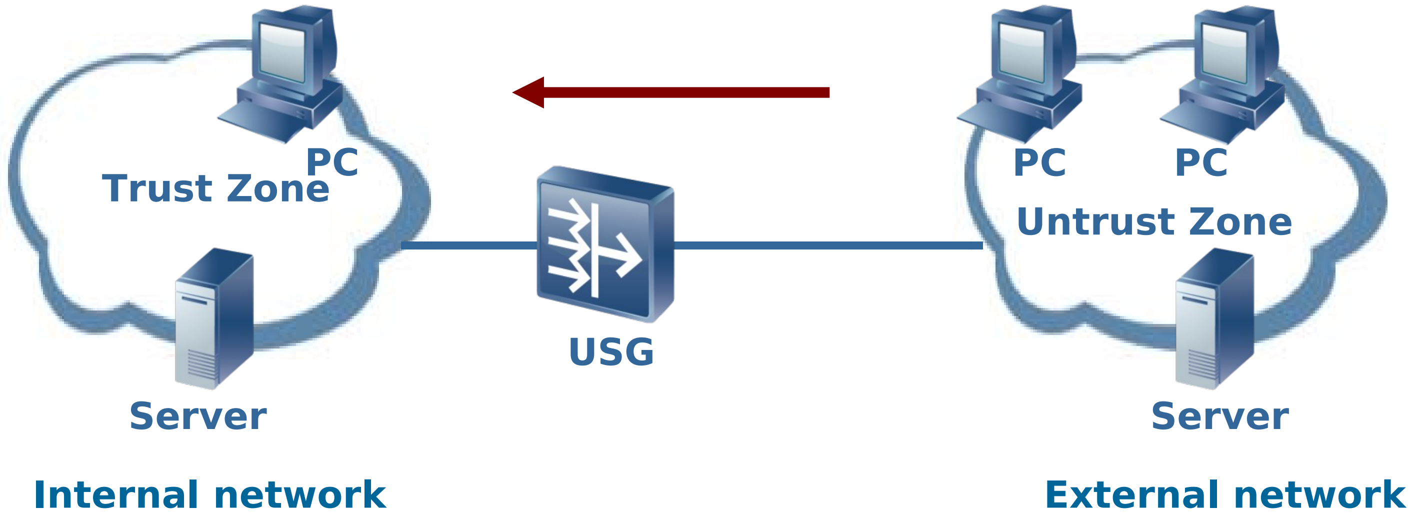
# □□□□□□□ 2

```
[USG2100]policy firewall interzone trust untrust inbound
[USG2100-policy-interzone-trust-untrust]policy source any
[USG2100-policy-interzone-trust-untrust]action permit
```

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# [illegible]

1. [illegible]
2. **[illegible]**
3. ACL
4. NAT

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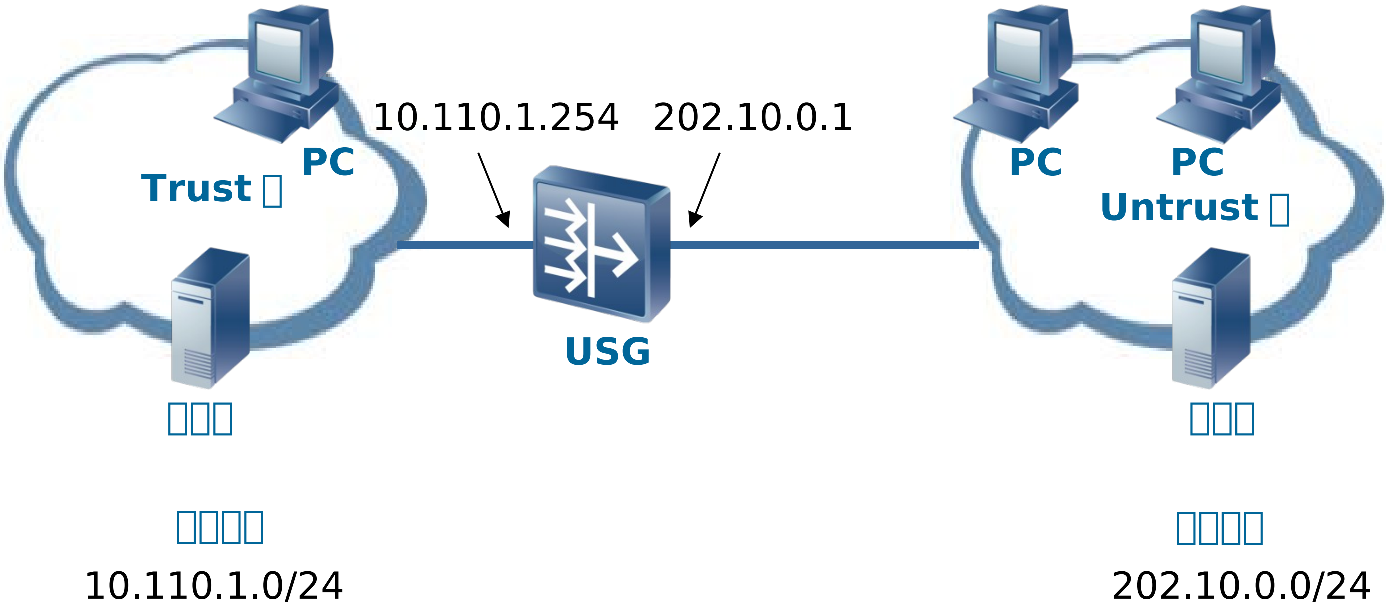



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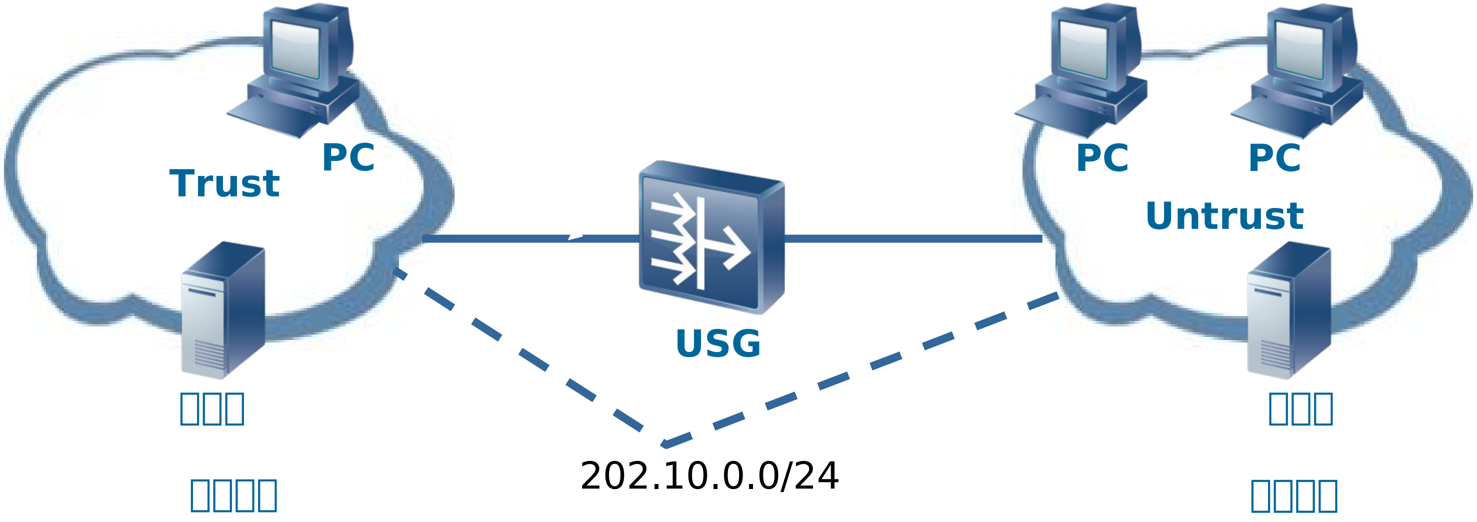
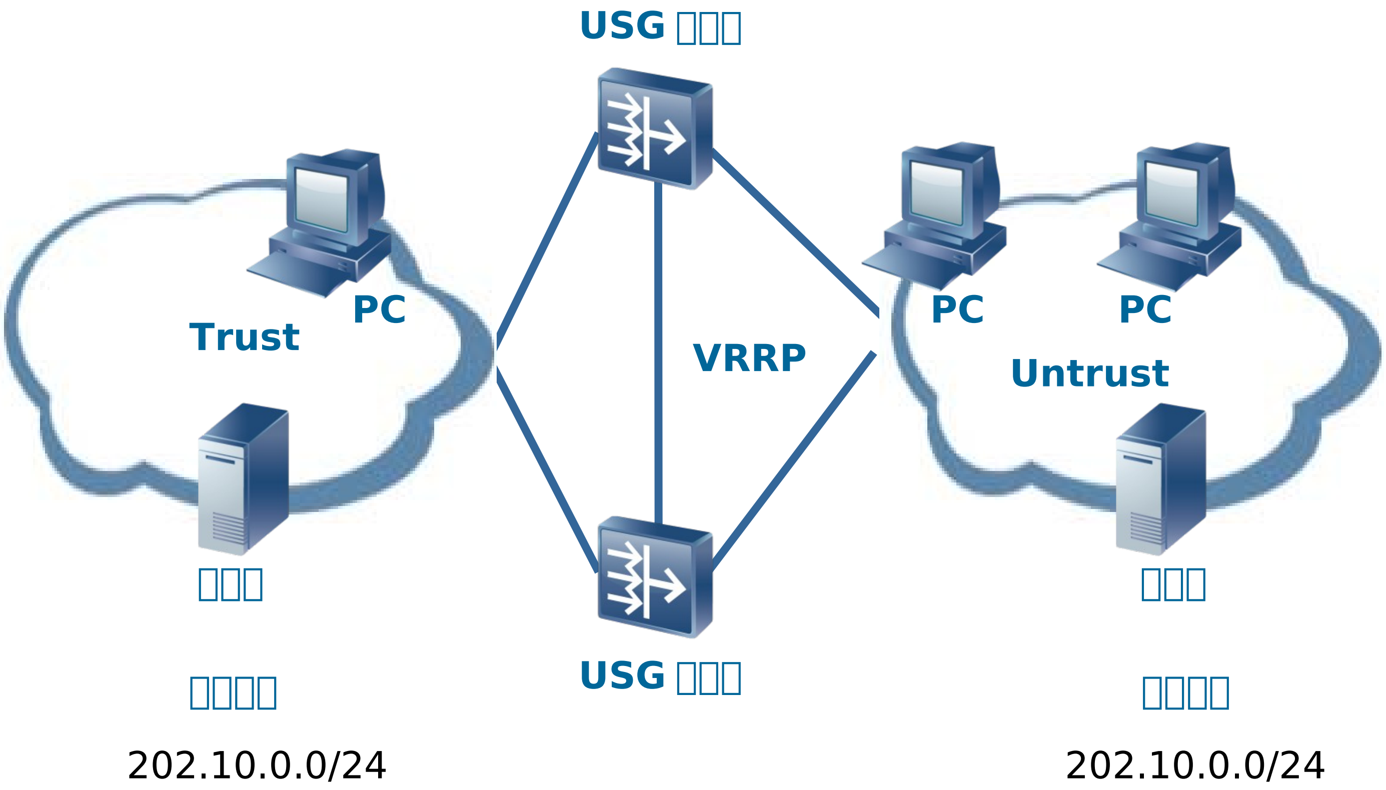

PC
Trust
USG
PC
PC
Untrust
202.10.0.0/24

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# □ □

1. □□□□
2. □□□□
3. **ACL**
4. NAT

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# ACL □□

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- □□ ACL □□□□□□□□□□□□□

NAT

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IPSec

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Qos

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- □□ ACL □□□□□□□

□□□ ACL?

Permit

Deny

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# ACL [illegible]

[illegible]ACL [illegible]2000[illegible]2999[illegible]

- [illegible]

[illegible]ACL [illegible]3000[illegible]3999[illegible]

- [illegible]

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# ACL □□

**acl** [ **number** ] ***acl-number***

**rule** [ ***rule-id*** ] { **permit** | **deny** } [ **source** { *sour-address sour-wildcard* | **any** } ] [ **time-range** *time-name* ]

**rule** [ ***rule-id*** ] { **permit** | **deny** } *protocol* [ **source** { *sour-address sour-wildcard* | **any** } ] [ **destination** { *dest-address dest-mask* | **any** } ] [ **source-port** *operator port1* [ *port2* ] ] [ **destination-port** *operator port1* [ *port2* ] ] [ **icmp-type** { *icmp-type icmp-code* | *icmp-message* } ] [ **precedence** *precedence* ] [ **tos** *tos* ] [ **time-range** *time-name* ]

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# □ □

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2. □□□□
3. ACL
4. **NAT**

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# NAT (Network Address Translation) [illegible]

NAT [illegible] IP [illegible] IP [illegible] IP [illegible]

NAT [illegible]

- IP [illegible]
  - [illegible] IP [illegible]
- [illegible]
  - [illegible]
- [illegible]
  - [illegible]

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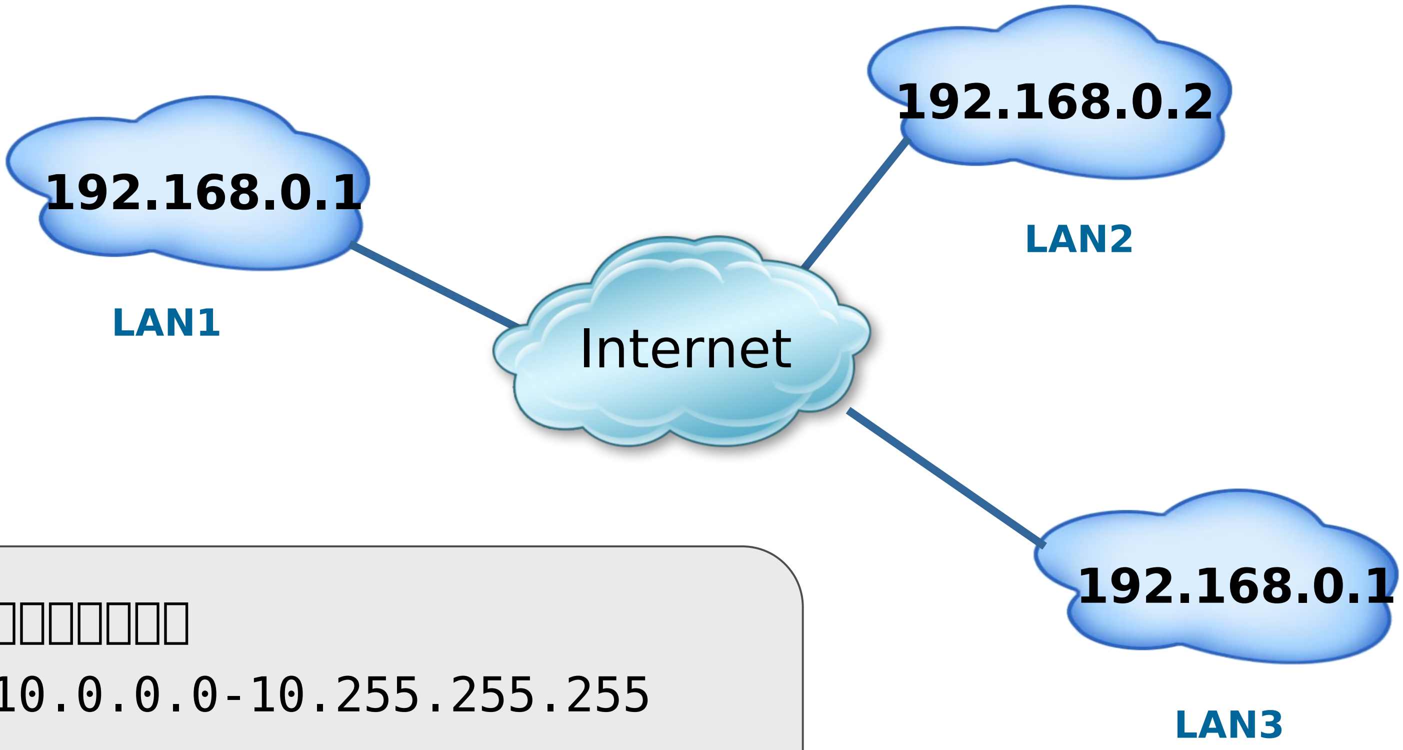
# [illegible]




[illegible]

10.0.0.0-10.255.255.255

172.16.0.0-172.31.255.255

192.168.0.0-192.168.255.255

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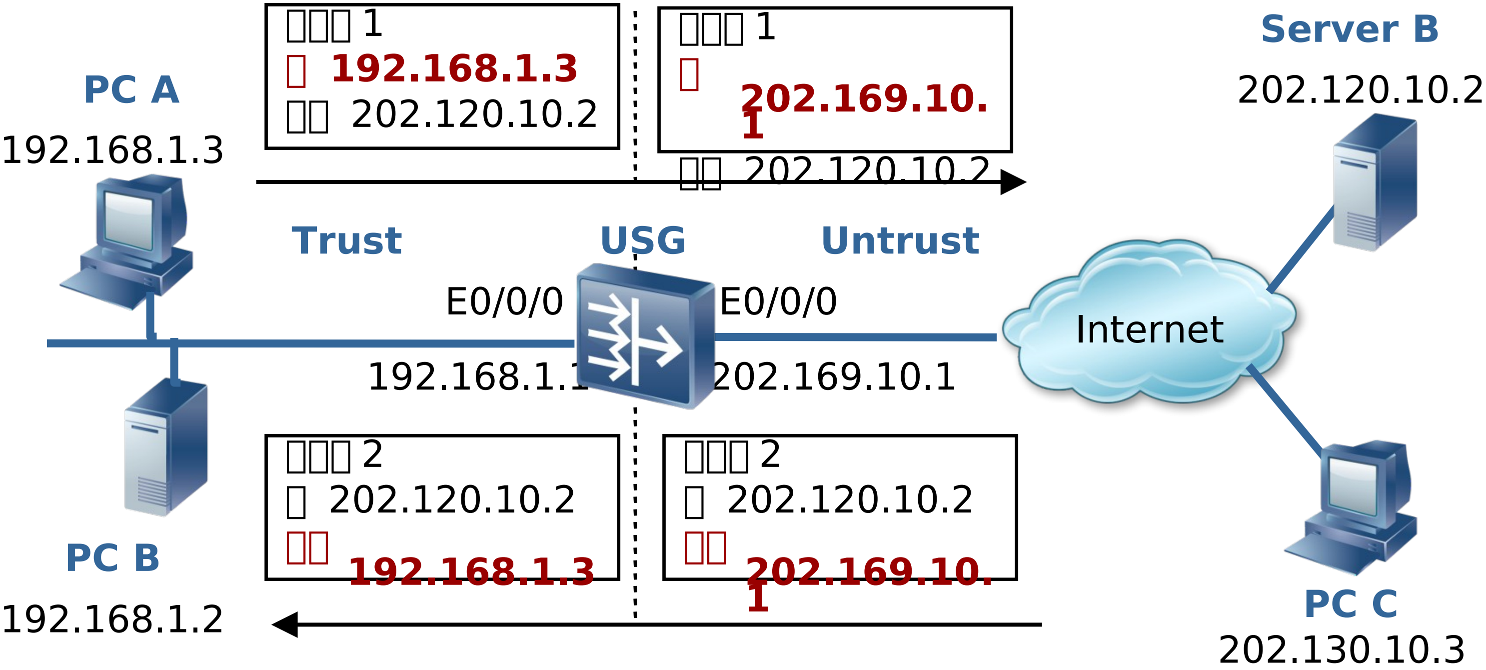
# USG NAT

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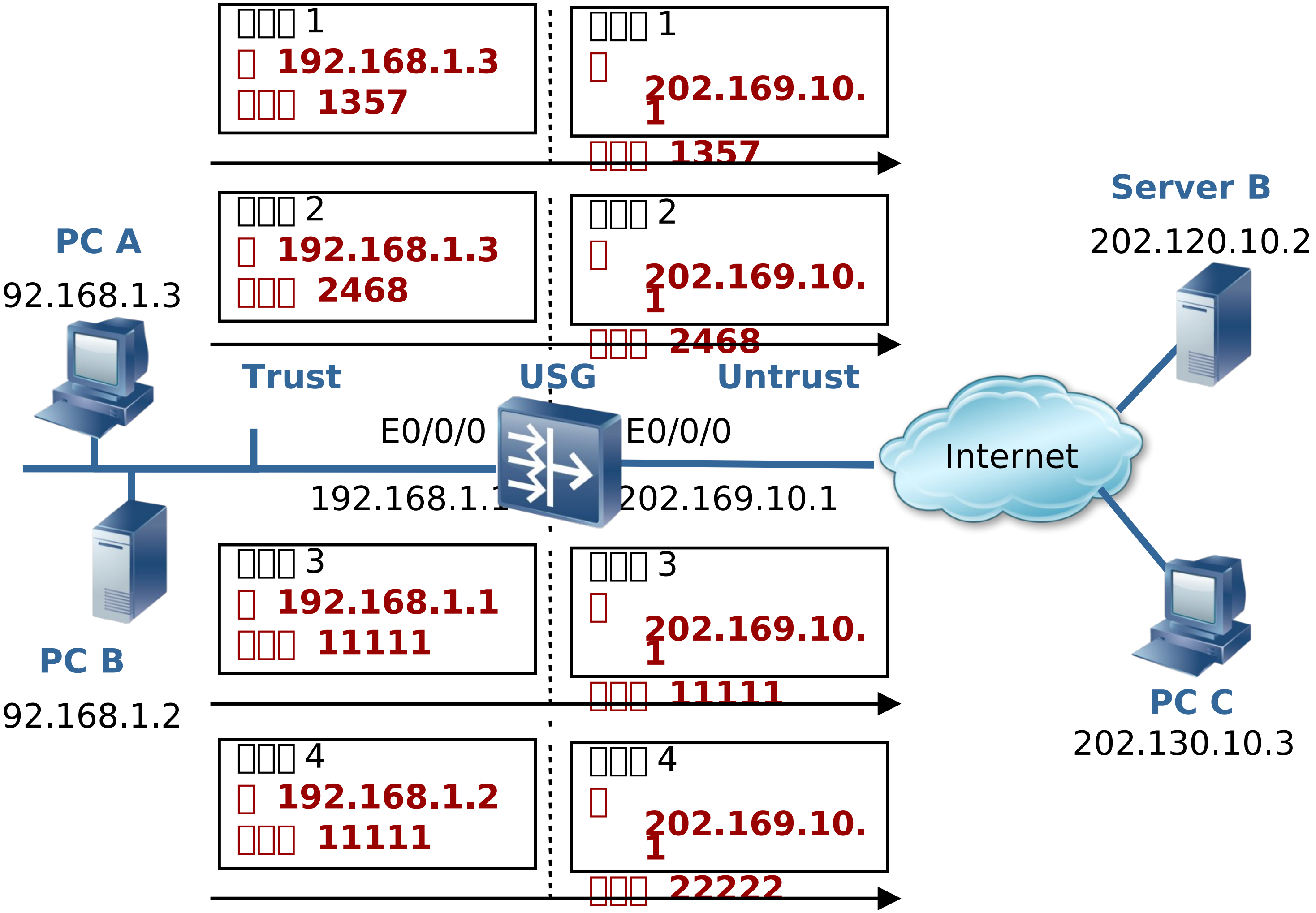
# USG NAPT

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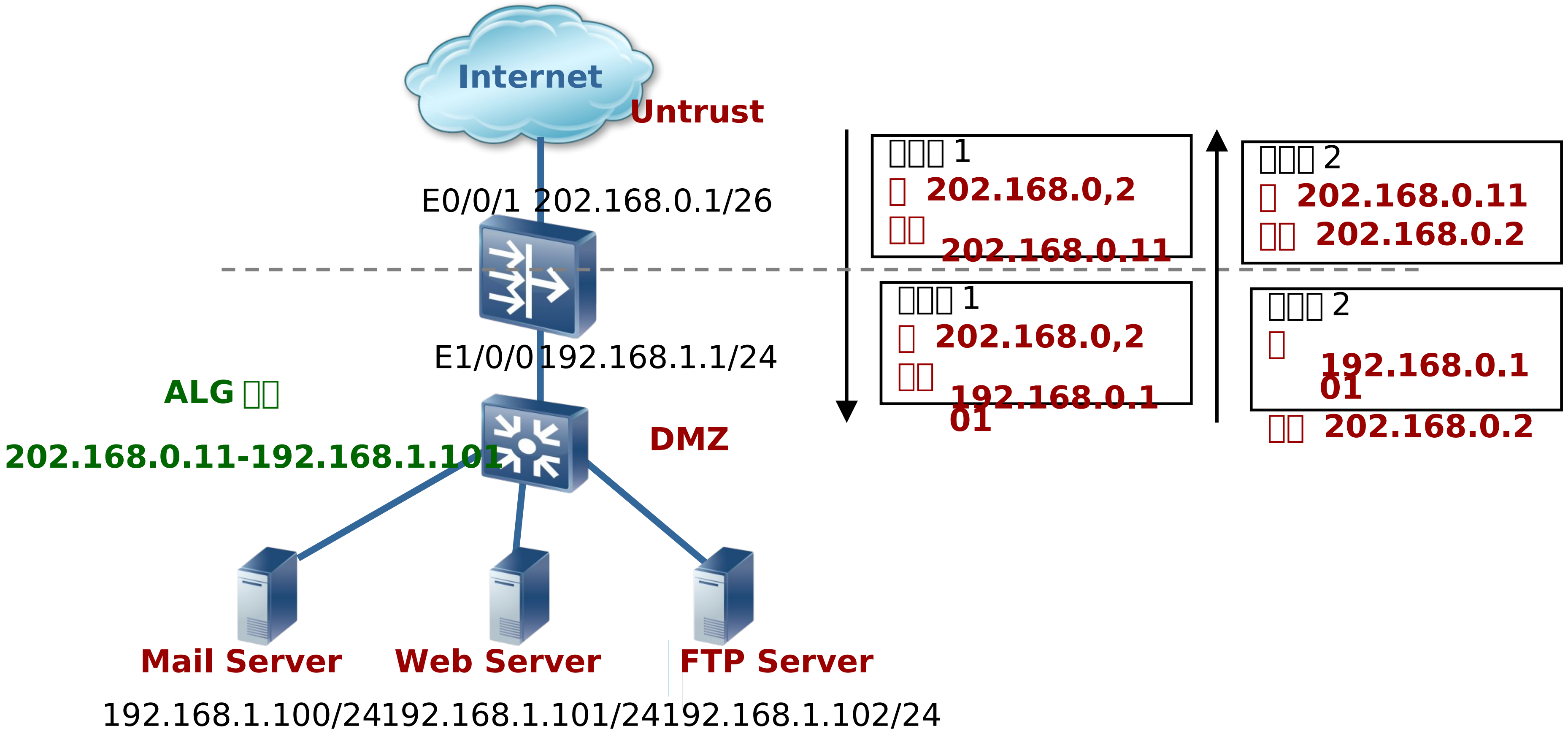
# USG □□□□□ NAT

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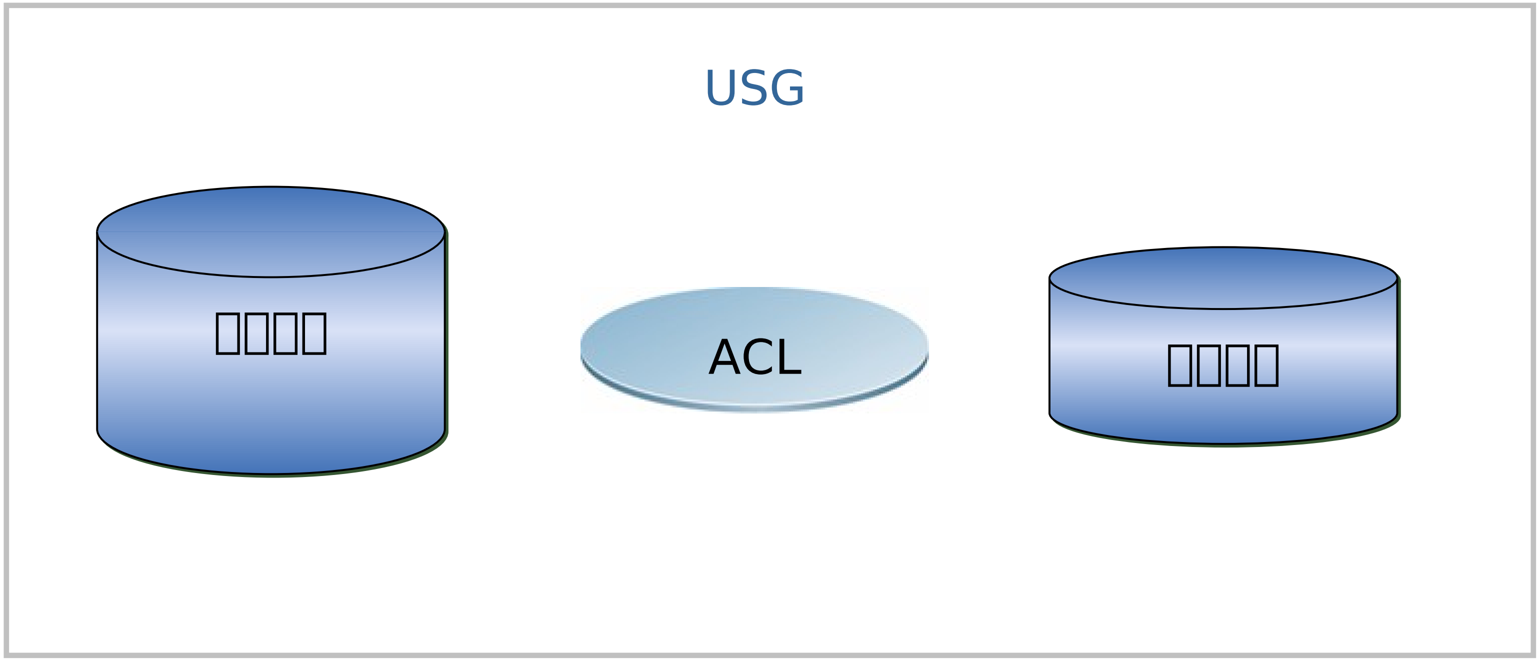
# USG NAT

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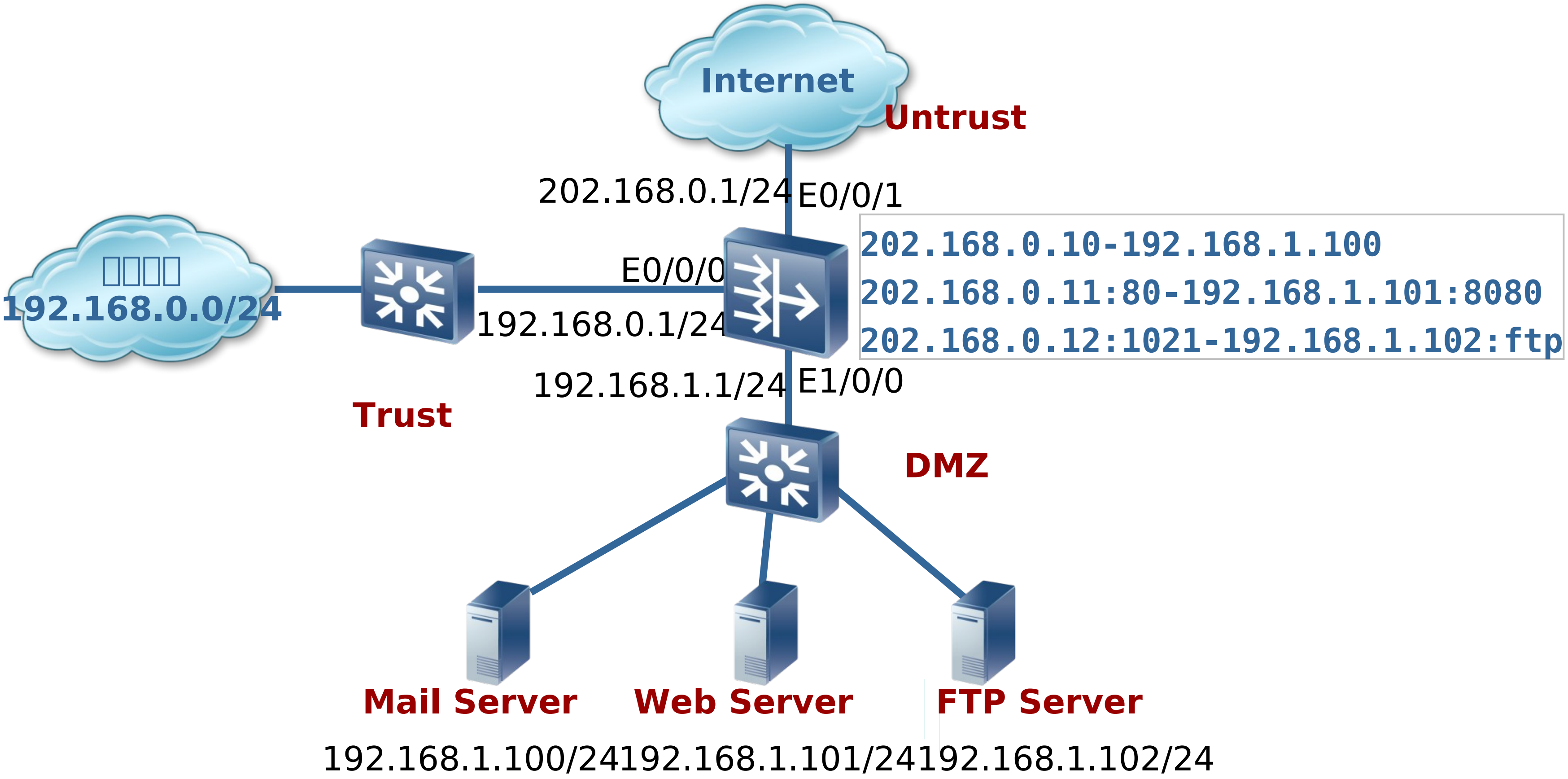
# □□□□□ NAT □□

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# [illegible] NAT [illegible]

```
[USG2100]nat address-group 1 202.168.0.10 202.168.0.20

[USG2100]nat-policy interzone trust untrust outbound
[USG2100-nat-policy-interzone-trust-untrust-outbound]policy 1
[USG2100-nat-policy-interzone-trust-untrust-outbound-1]policy source 192.168.0.0 mask 24
[USG2100-nat-policy-interzone-trust-untrust-outbound-1]action source-nat

[USG2100-nat-policy-interzone-trust-untrust-outbound-1] address-group 1 no-pat
```

[illegible]

[illegible] ACL

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# NAT Server □□□□

```
[USG2100]nat server global 202.168.0.10 inside
  192.168.1.100
[USG2100]nat server protocol tcp global 202.168.0.11 80
  inside 192.168.1.101 8080
[USG2100] nat server protocol tcp global 202.168.0.12 1021
  inside 192.168.1.102 ftp
```

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```
[USG2100]policy interzone dmz untrust inbound
[USG2100-policy-interzone-dmz-untrust-inbound]policy 1
[USG2100-policy-interzone-dmz-untrust-inbound-1]policy
  destination 192.168.1.0 mask 24
[USG2100-policy-interzone-dmz-untrust-inbound-1]policy
  service service-set ftp
[USG2100-policy-interzone-dmz-untrust-inbound-1]action
  deny
```

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# NAT □□□□

```
[USG2100]display nat-policy all
nat-policy interzone trust untrust outbound
 policy 1 (0 times matched)
  action source-nat
  policy service service-set ip
  policy source 192.168.0.0 mask 24
  policy destination any
  address-group 1 no-pat
 ---- More ----
```

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# NAT [illegible]

```
[USG2100]dis nat address-group
09:16:03  2012/12/16
NAT address-group information:
 number          : 1                          name            : ---
 startaddr       : 202.168.0.10               endaddr         : 202.168.0.20
 reference       : 1                          vrrp            : ---
 vpninstance     : public
  Total    1 address-groups
```

[illegible]

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# [illegible]

[illegible] (learning.huawei.com [illegible]

- **1 [illegible] E-learning [illegible]**
  - [illegible] **E-Learning** [illegible]
  - [illegible]“[illegible]”[illegible]“ email [illegible]”[illegible] *Learning@huawei.com* *[illegible]*
- **2 [illegible]**
  - [illegible] **+** [illegible]
  - [illegible]“[illegible] / [illegible]”[illegible]
- **3 [illegible] (LVC) [illegible]**
  - [illegible] UC&C [illegible]
  - [illegible] *http://support.huawei.com/ecommunity/bbs/10154479.html*
- **4 [illegible] eNSP**
  - eNSP (Enterprise Network Simulation Platform), [illegible]
- [illegible], [illegible] [illegible][illegible]
  http://support.huawei.com/ecommunity/bbs/list_2247.html [illegible]

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[illegible]

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